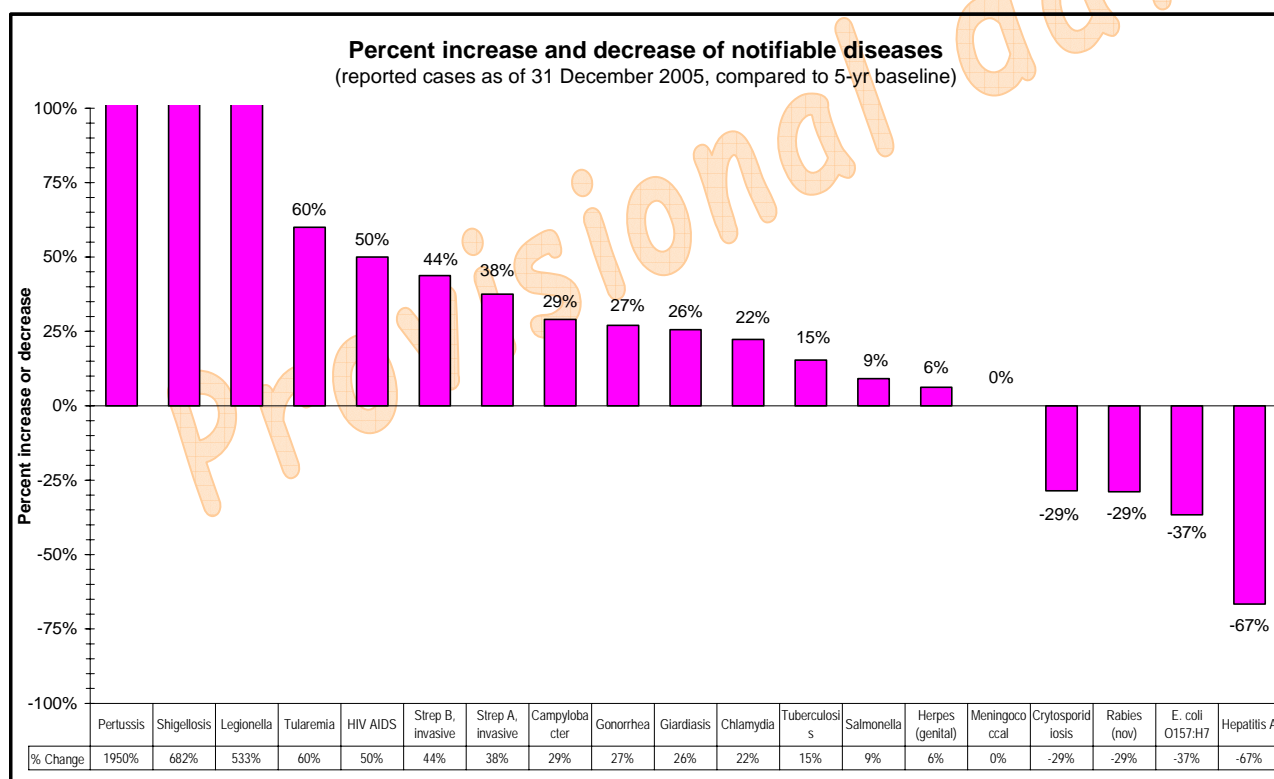


SOUTH DAKOTA INFECTIOUS DISEASE SUMMARY: 1 January – 31 December 2005**These data are provisional.**

Year-to-date on 30 November 2005, increases $\geq 50\%$ were observed over 5-year median for Pertussis (+1950%), Shigellosis (+682%), Legionellosis (+533%), Tularemia (+60%) and HIV/AIDS (+50%).

Disease/agent	Cases YTD 12/31/05	Incidence YTD 12/31/05	5-year median cases	Percent increase / decrease	Comments
Pertussis	164	21.3	8	1950%	Highest rate in Central Region
Shigellosis	133	17.3	17	682%	Highest rate in Central Region
Legionnaires disease	19	2.5	3	533%	No new cases since October
Tularemia	8	1.0	5	60%	No new cases since July
HIV AIDS	33	4.3	22	50%	Highest incidence in Southeast Region
<i>Strep B</i> , invasive	23	3.0	16	44%	Highest incidence in Southeast Region
<i>Strep A</i> , invasive	22	2.9	16	38%	Highest incidence in Central Region
Campylobacter	240	31.1	186	29%	Highest rate in Central and Northeast Regions
Gonorrhea	352	45.7	277	27%	Highest incidence in Central Region
Giardiasis	113	14.7	90	26%	Most cases reported since 2000
Chlamydia	2709	351.4	2215	22%	Highest incidence in Central and West Region
Tuberculosis	15	1.9	13	15%	1 case reported in December
Salmonella	143	18.6	131	9%	Highest incidence in Southeast Region
Herpes (genital)	342	44.4	322	6%	High incidence in West Region
Meningococcal	4	0.5	4	0%	No new cases reported in December
Cryptosporidiosis	30	3.9	42	-29%	All cases East River
Rabies (11/30/2006)	64	NA	90	-29%	40+ skunks, 13+ cattle, 5+ horses, 2+ bats, 2+ dogs, 2+ cats
<i>E. coli</i> O157:H7	26	3.4	41	-37%	No new cases reported in December
Hepatitis A	1	0.1	3	-67%	No new cases reported in December
Hantavirus	2	0.3	1	NA	1 case each in West and Central.
Syphilis	2	0.3	0	NA	Both cases in Southeast Region
West Nile cases	228	30.1	NA	NA	No new cases since October



Incidence = cases reported per 100,000 population.

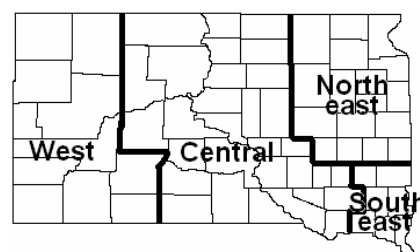
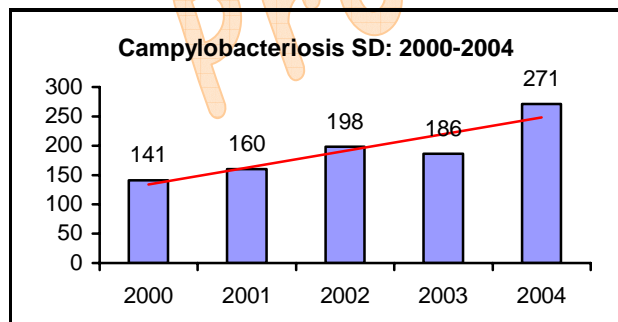
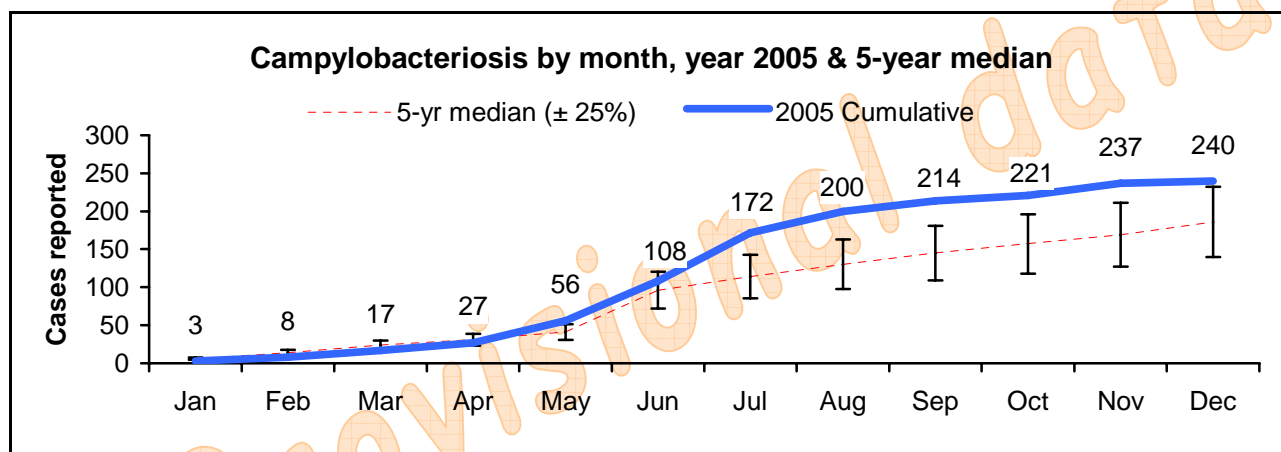
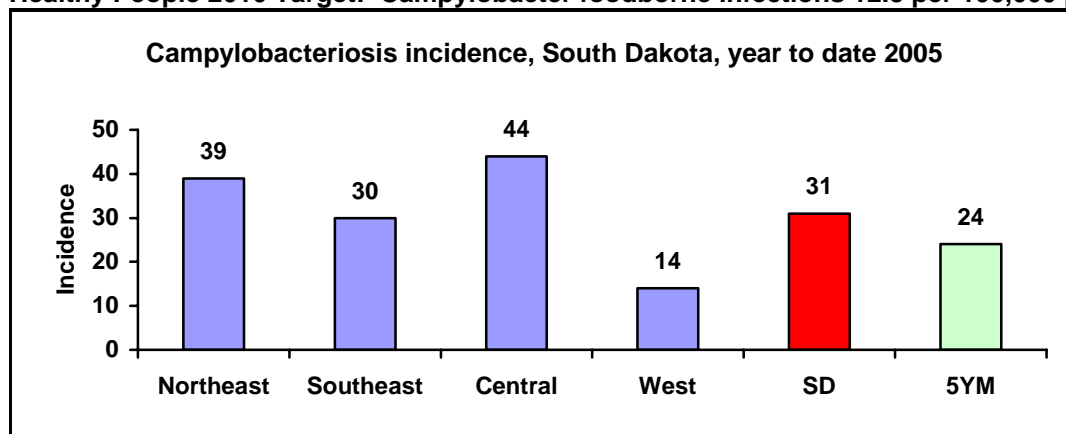
***Confidential disease reporting line 1-800-592-1804**

5YM= 5-year median

Population based on 2003 estimates

CAMPYLOBACTERIOSIS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NorthEast Region	176,361	69	39.1	0	0	3	5	8	19	19	8	3	2	1	1
SouthEast Region	248,114	74	29.8	1	4	1	2	6	11	17	13	6	3	10	0
Central Region	158,182	70	44.3	1	1	4	2	10	18	20	4	3	2	5	0
Western Region	188,226	27	14.3	1	0	1	1	5	4	8	3	2	0	0	2
West River	233,472	44	18.8	1	0	3	1	8	8	13	3	3	0	2	2
East River	537,411	196	36.5	2	5	6	9	21	44	51	25	11	7	14	1
South Dakota	770,883	240	31.1	3	5	9	10	29	52	64	28	14	7	16	3

Healthy People 2010 Target: Campylobacter foodborne infections 12.3 per 100,000 per year



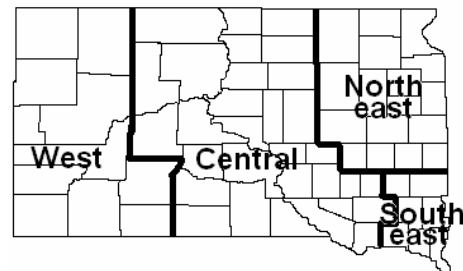
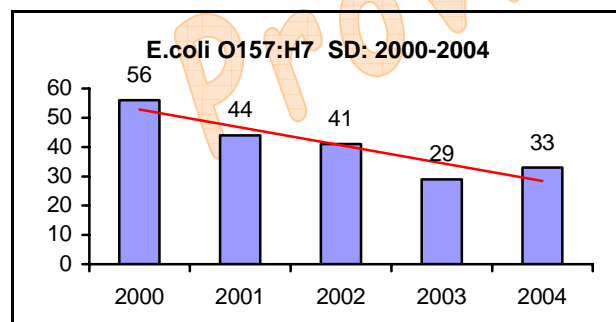
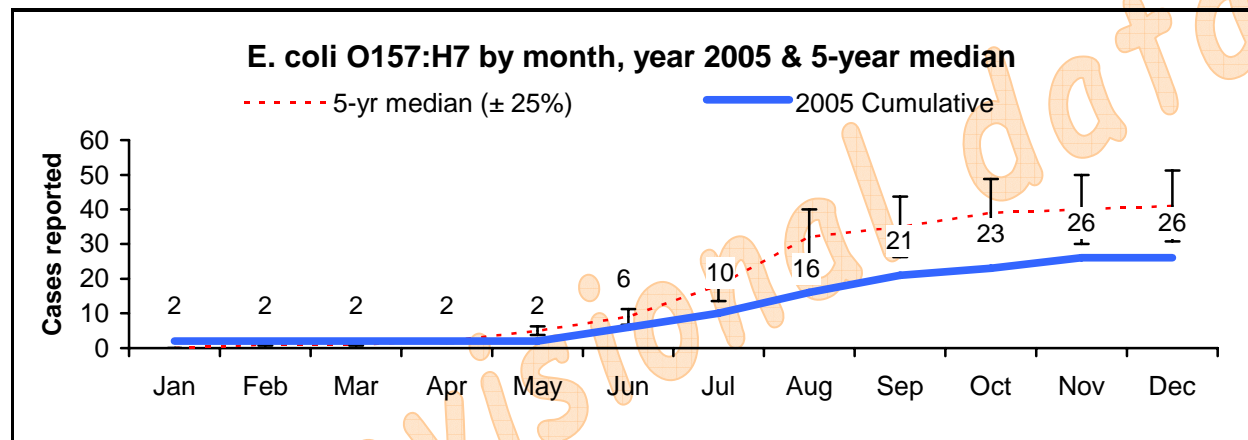
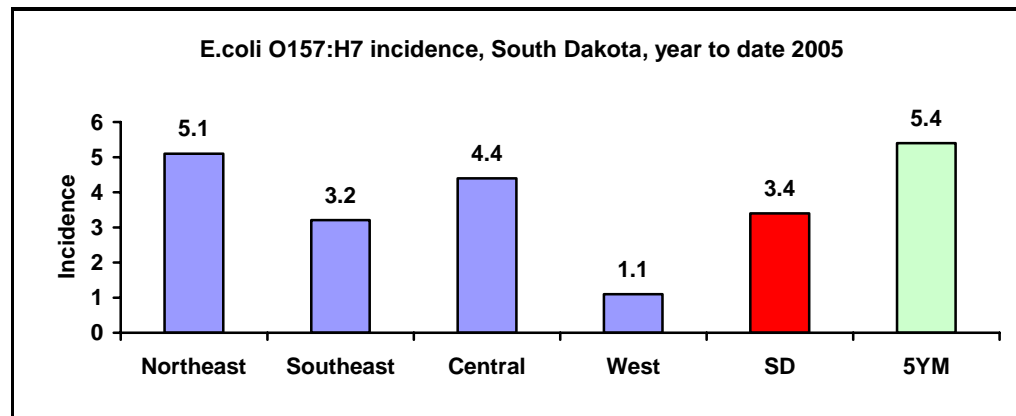
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

E. coli O157:H7				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
REGION	Pop	# cases	Incidence												
NorthEast Region	176,361	9	5.1	0	0	0	0	0	2	2	2	2	1	0	0
SouthEast Region	248,114	8	3.2	2	0	0	0	0	1	0	2	1	0	2	0
Central Region	158,182	7	4.4	0	0	0	0	0	1	1	1	2	1	1	0
Western Region	188,226	2	1.1	0	0	0	0	0	0	1	1	0	0	0	0
West River	233,472	3	1.3	0	0	0	0	0	0	1	1	1	0	0	0
East River	537,411	23	4.3	2	0	0	0	0	4	3	5	4	2	3	0
South Dakota YTD	770,883	26	3.4	2	0	0	0	0	4	4	6	5	2	3	0



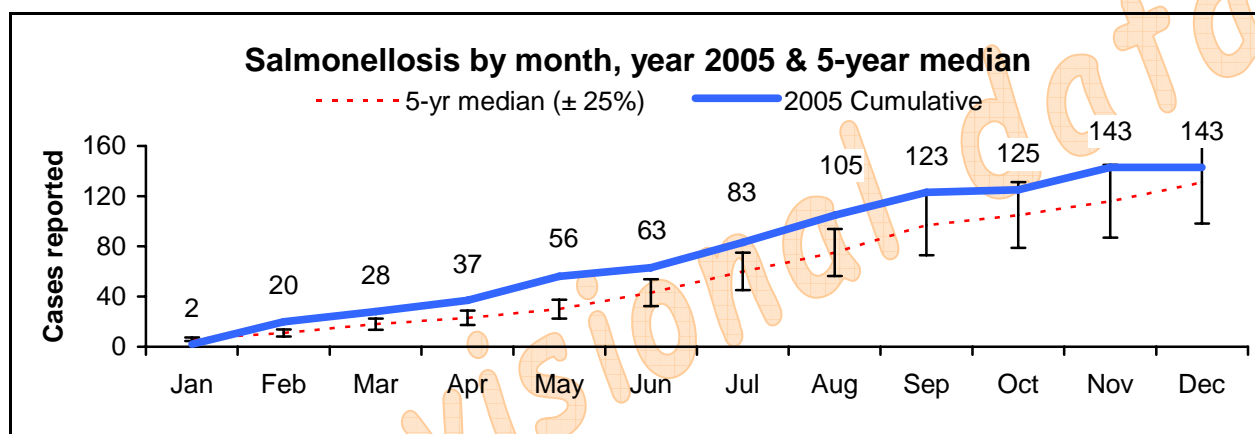
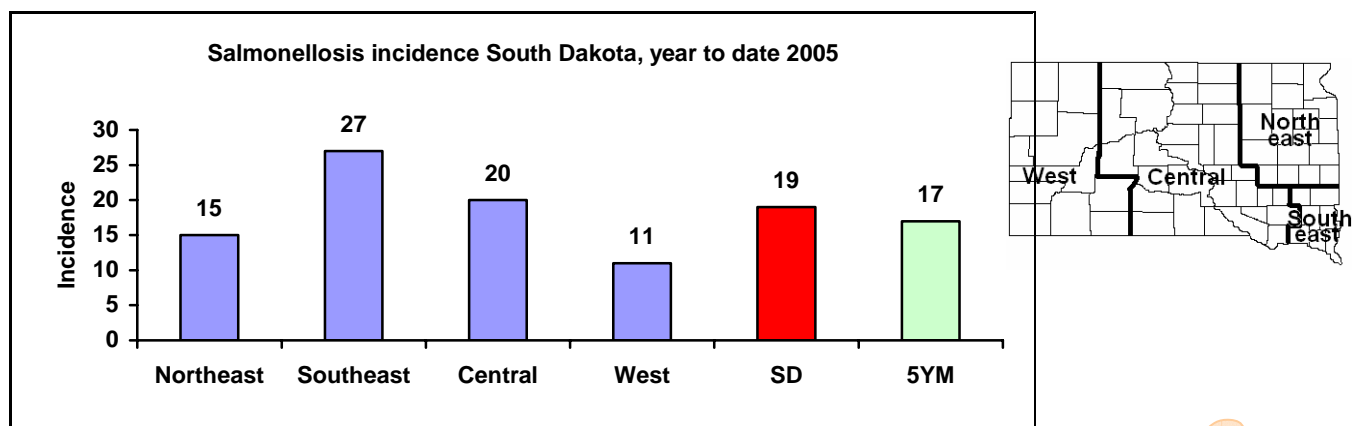
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

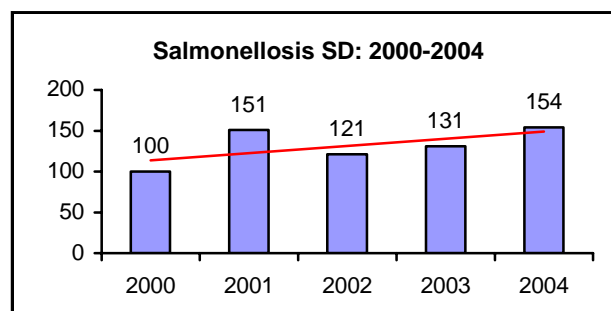
5YM= 5-year median

Population based on 2003 estimates

SALMONELLOSIS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NorthEast Region	176,361	26	14.7	0	8	3	2	0	2	2	2	3	0	4	0
SouthEast Region	248,114	66	26.6	1	6	1	3	9	3	14	12	10	1	6	0
Central Region	158,182	31	19.6	1	2	2	1	5	2	4	6	2	1	5	0
Western Region	188,226	20	10.6	0	2	2	3	5	0	0	2	4	0	2	0
West River	233,472	29	12.4	1	2	3	4	6	0	0	4	4	0	5	0
East River	537,411	114	21.2	1	16	5	5	13	7	20	18	15	2	12	0
South Dakota YTD	770,883	143	18.6	2	18	8	9	19	7	20	22	19	2	17	0



Salmonella serotype	TOTAL
S. branderup	3
S. derby	4
S. enteritidis	21
S. heidelberg	6
S. infantis	9
S. montevideo	4
S. newport	7
S. oranienberg	4
S. paratyphi B	3
S. typhimurium	42
Other serotypes	40
TOTAL	143



Incidence = cases reported per 100,000 population.

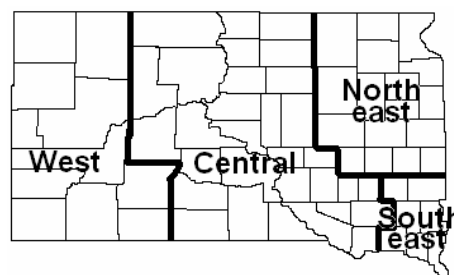
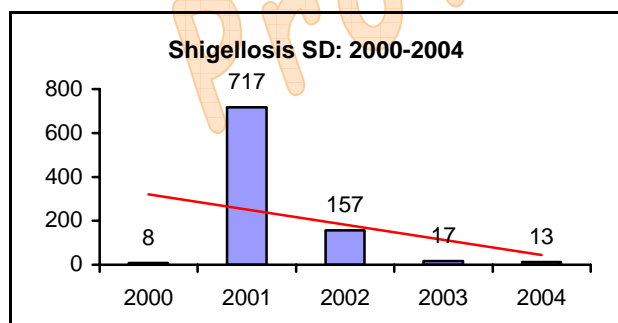
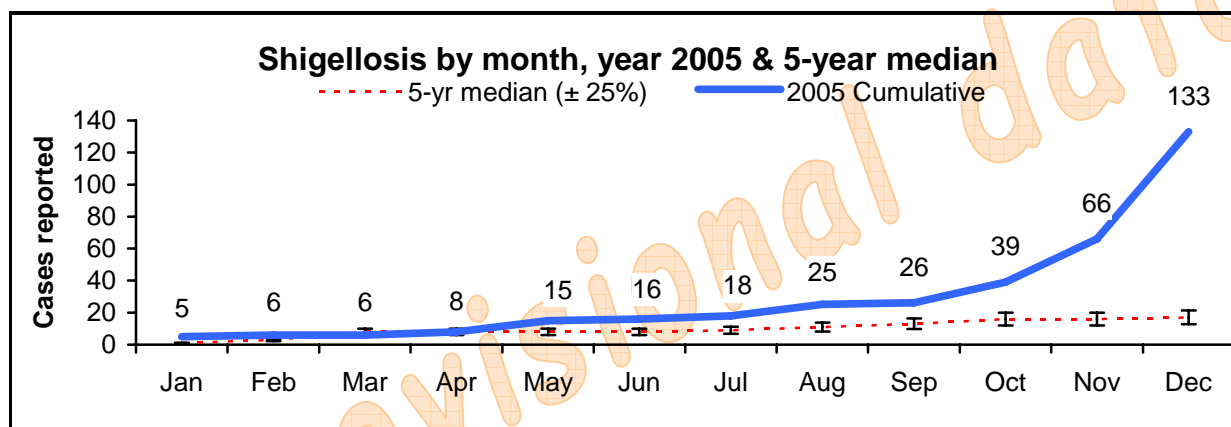
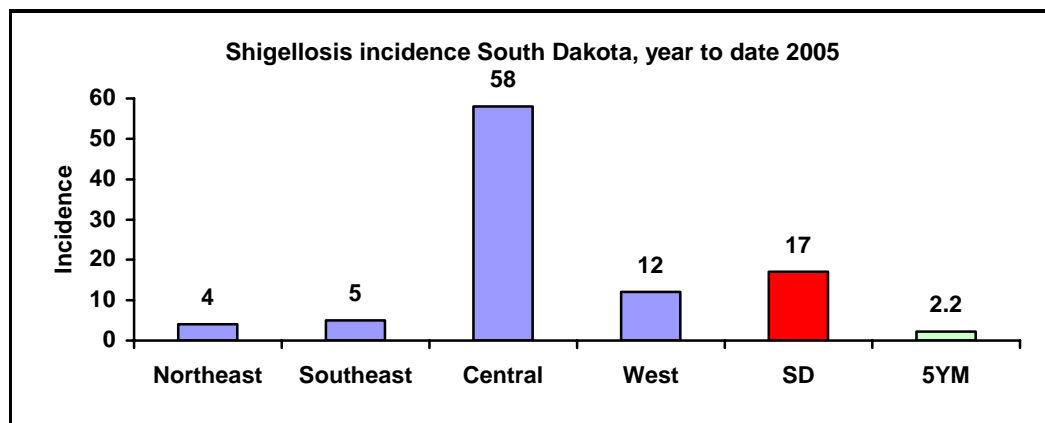
*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

SHIGELLOSIS				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
REGION	Pop	# cases	Incidence												
NorthEast Region	176,361	7	4.0	0	0	0	0	7	0	0	0	0	0	0	0
SouthEast Region	248,114	12	4.8	0	1	0	0	0	1	0	0	1	3	4	2
Central Region	158,182	92	58.2	5	0	0	1	0	0	0	0	0	7	21	58
Western Region	188,226	22	11.7	0	0	0	1	0	0	2	7	0	3	2	7
West River	233,472	53	22.7	3	0	0	2	0	0	2	7	0	4	3	32
East River	537,411	80	14.9	2	1	0	0	7	1	0	0	1	9	24	35
South Dakota YTD	770,883	133	17.3	5	1	0	2	7	1	2	7	1	13	27	67

Shigella species: *Shigella sonnei* 90%, *Shigella boydii* 8%, *Shigella flexneri* 2%,



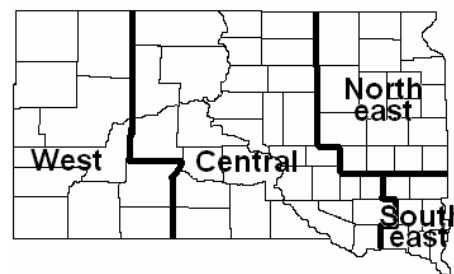
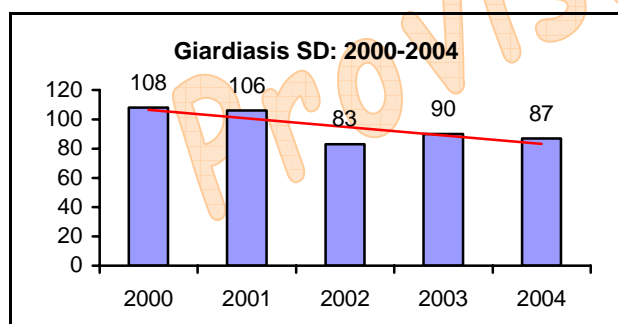
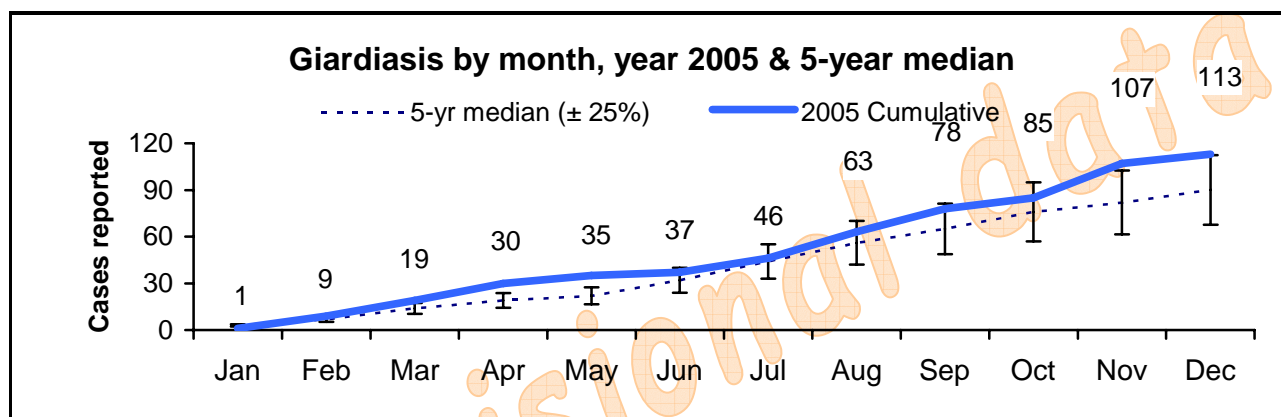
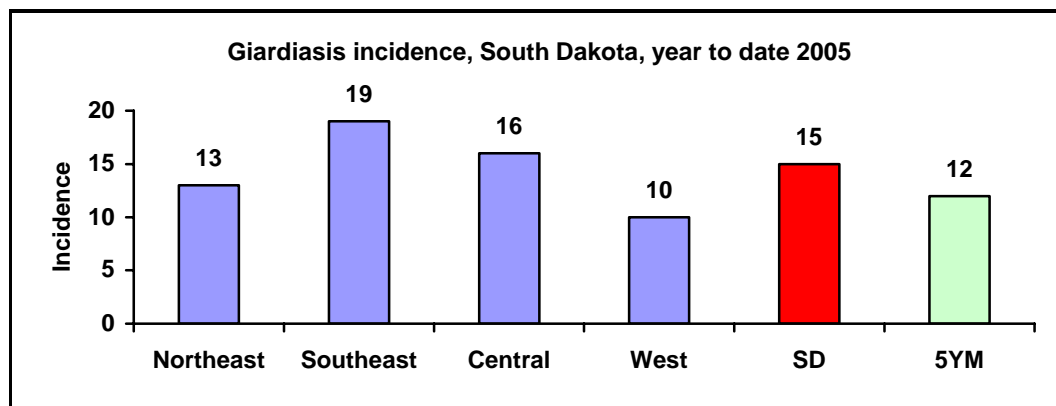
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

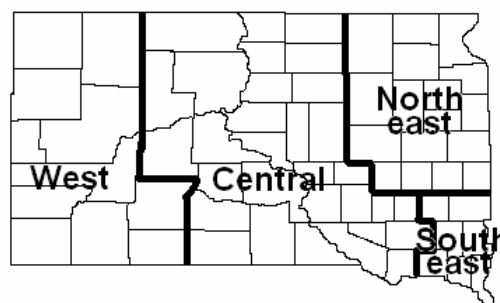
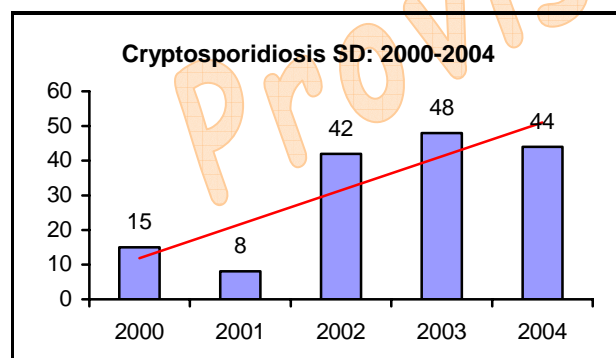
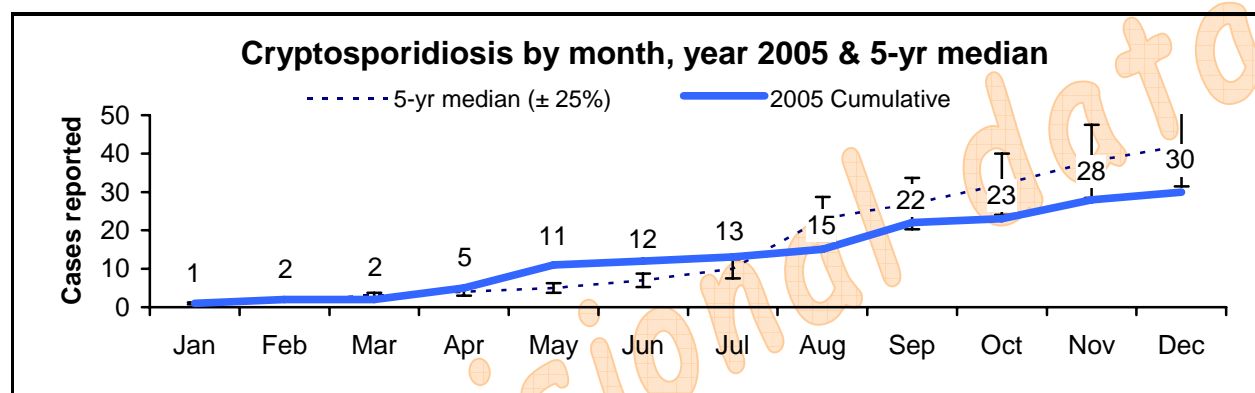
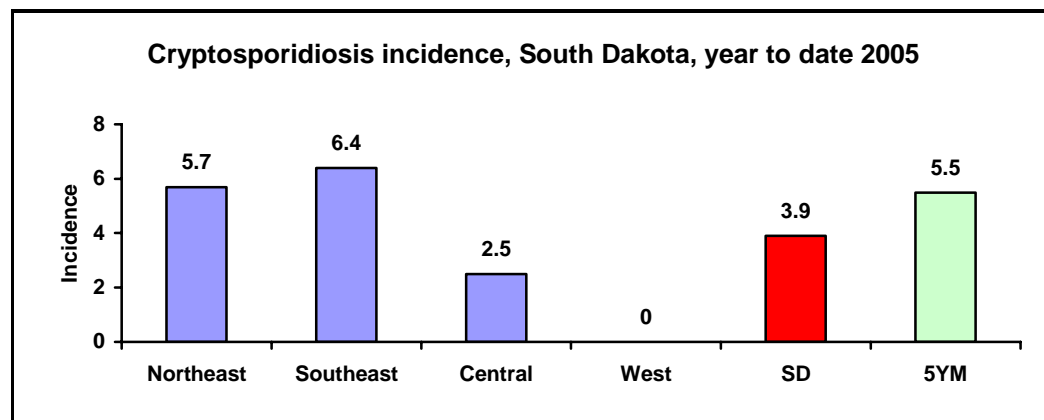
5YM= 5-year median

Population based on 2003 estimates

GIARDIASIS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NorthEast Region	176,361	23	13.0	0	1	4	6	0	2	2	4	1	1	0	2
SouthEast Regio	248,114	47	18.9	0	4	1	4	3	0	5	5	5	3	16	1
Central Region	158,182	25	15.8	1	3	2	1	1	0	1	5	6	1	1	3
Western Region	188,226	18	9.6	0	0	3	0	1	0	1	3	3	2	5	0
West River	233,472	23	9.9	0	3	4	0	1	0	1	3	4	2	5	0
East River	537,411	90	16.7	1	5	6	11	4	2	8	14	11	5	17	6
South Dakota	770,883	113	14.7	1	8	10	11	5	2	9	17	15	7	22	6



CRYPTOSPORIDIOSIS																
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
NorthEast Region	176,361	10	5.7	0	1	0	2	2	1	1	0	2	0	1	0	
SouthEast Regio	248,114	16	6.4	1	0	0	1	1	0	0	2	4	1	4	2	
Central Region	158,182	4	2.5	0	0	0	0	3	0	0	0	1	0	0	0	
Western Region	188,226	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
West River	233,472	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	
East River	537,411	30	5.6	1	1	0	3	6	1	1	2	7	1	5	2	
South Dakota	770,883	30	3.9	1	1	0	3	6	1	1	2	7	1	5	2	



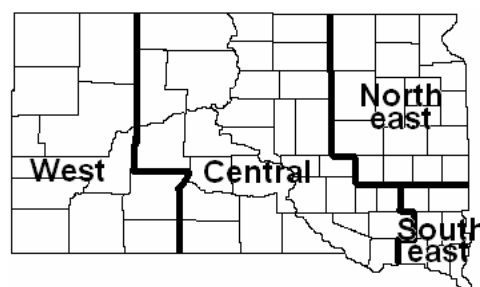
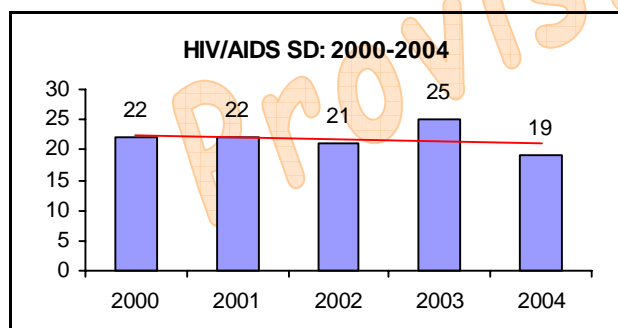
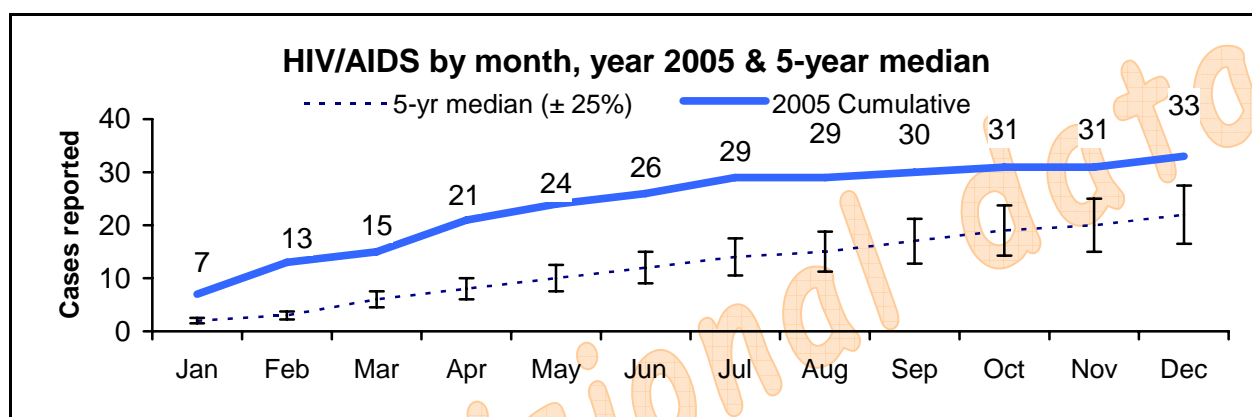
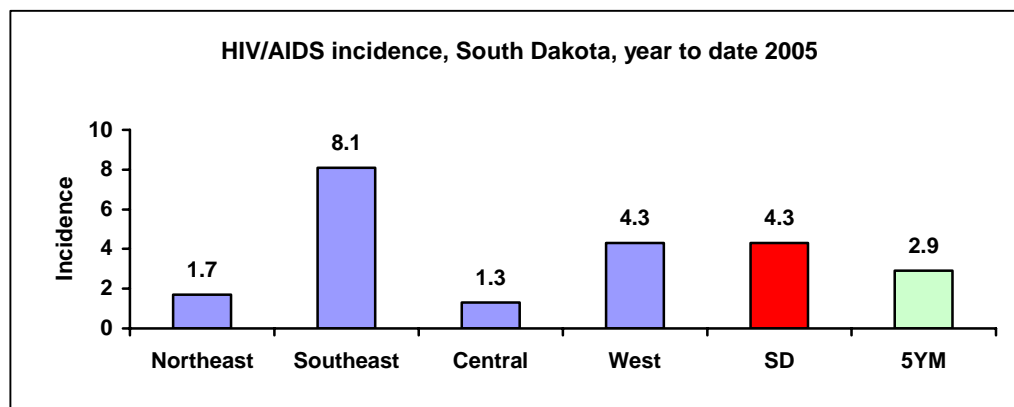
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

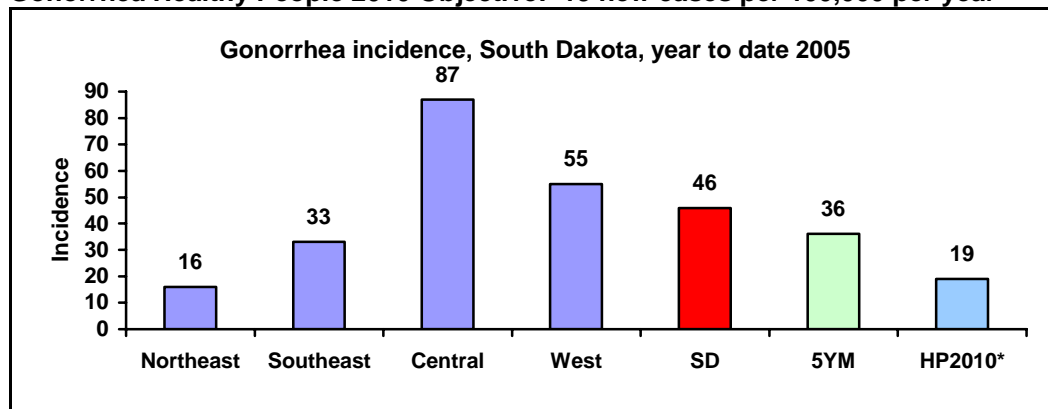
Population based on 2003 estimates

HIV / AIDS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NorthEast Region	176,361	3	1.7	0	0	1	0	1	1	0	0	0	0	0	0
SouthEast Region	248,114	20	8.1	5	4	0	5	0	1	3	0	1	0	0	1
Central Region	158,182	2	1.3	1	0	1	0	0	0	0	0	0	0	0	0
Western Region	188,226	8	4.3	1	2	0	1	2	0	0	0	0	1	0	1
South Dakota	770,883	33	4.3	7	6	2	6	3	2	3	0	1	1	0	2

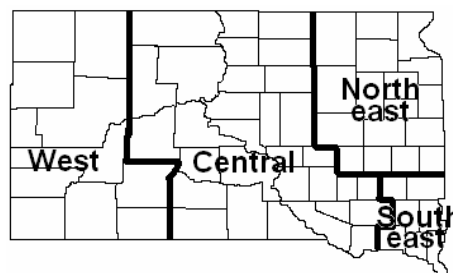
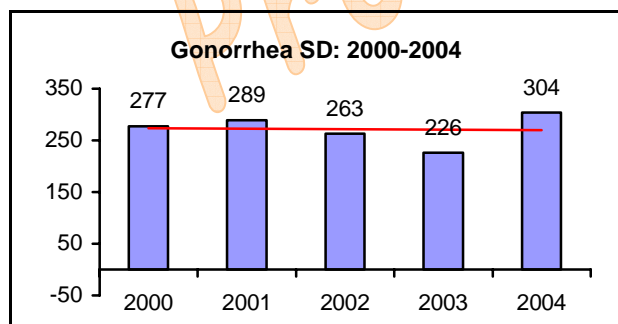
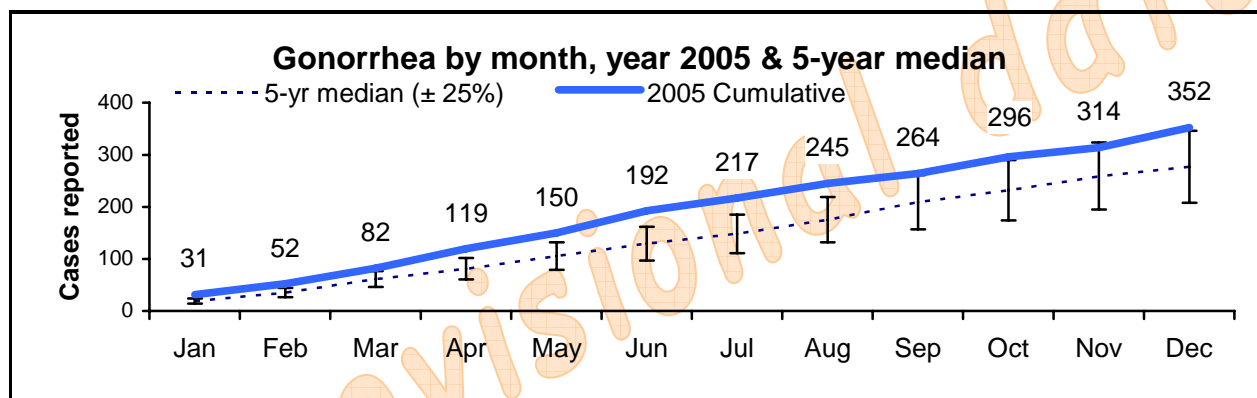


GONORRHEA																
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
NorthEast Region	176,361	29	16.4	3	1	3	2	3	4	2	2	3	0	1	5	
SouthEast Regio	248,114	82	33.0	10	5	7	10	3	9	7	9	1	4	7	10	
Central Region	158,182	137	86.6	7	5	11	12	14	13	5	6	10	24	9	21	
Western Region	188,226	104	55.3	11	10	9	13	11	16	11	11	5	3	2	2	
West River	233,472	192	82.2	18	13	15	23	23	26	14	12	10	18	8	12	
East River	537,411	160	29.8	13	8	15	14	8	16	11	16	9	13	11	26	
South Dakota	770,883	352	45.7	31	21	30	37	31	42	25	28	19	31	19	38	

Gonorrhea Healthy People 2010 Objective: 19 new cases per 100,000 per year



*Healthy People 2010 Objective for full year.



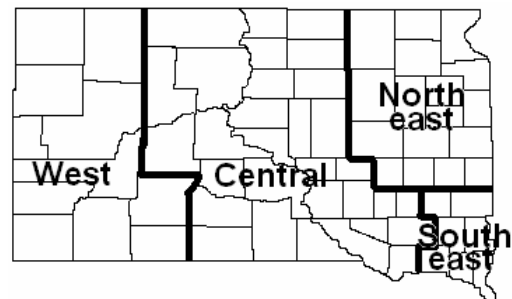
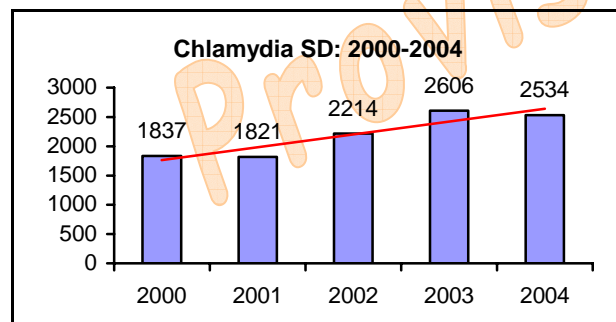
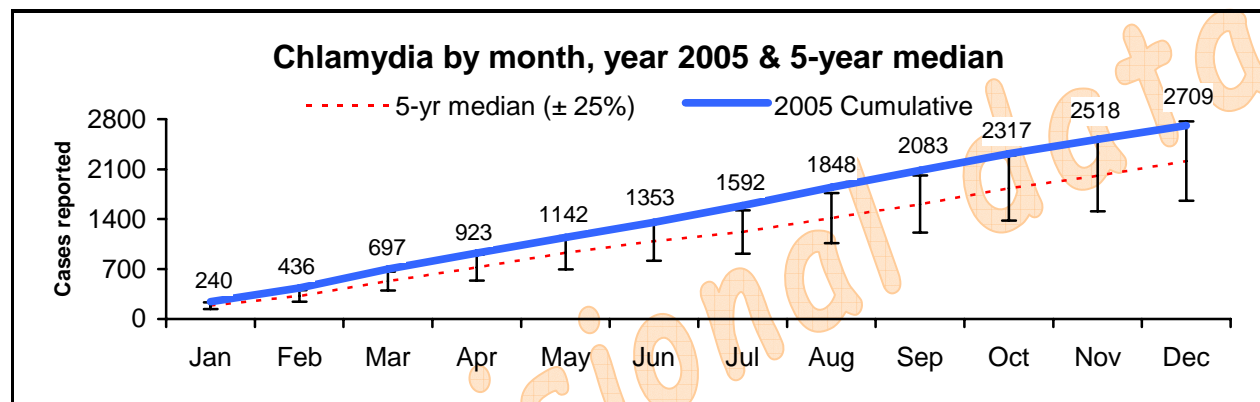
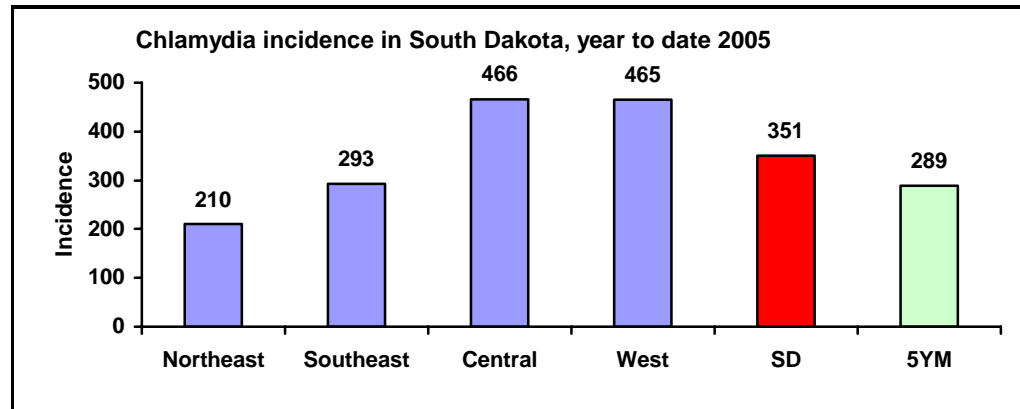
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

CHLAMYDIA trachomatis															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NorthEast Regio	176,361	370	209.8	36	40	50	41	35	19	25	29	38	26	21	10
SouthEast Regio	248,114	727	293.0	59	51	56	55	60	66	66	72	64	66	57	55
Central Region	158,182	737	465.9	56	42	65	74	61	57	76	71	63	66	53	53
Western Region	188,226	875	464.9	88	63	90	56	63	68	72	84	70	77	71	73
West River	233,472	1,354	579.9	124	100	135	108	98	103	122	132	111	117	98	106
East River	537,411	1,355	252.1	115	96	126	118	121	107	117	124	124	118	104	85
South Dakota	770,883	2,709	351.4	239	196	261	226	219	210	239	256	235	235	202	191



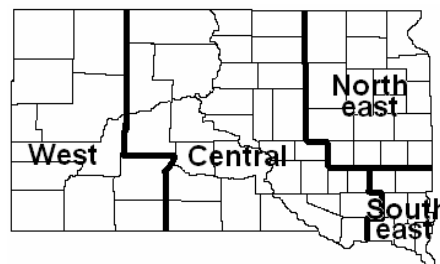
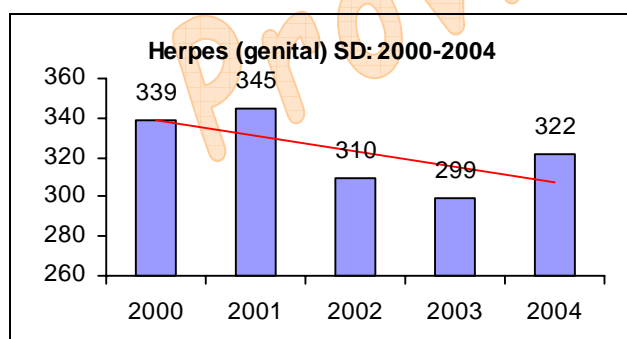
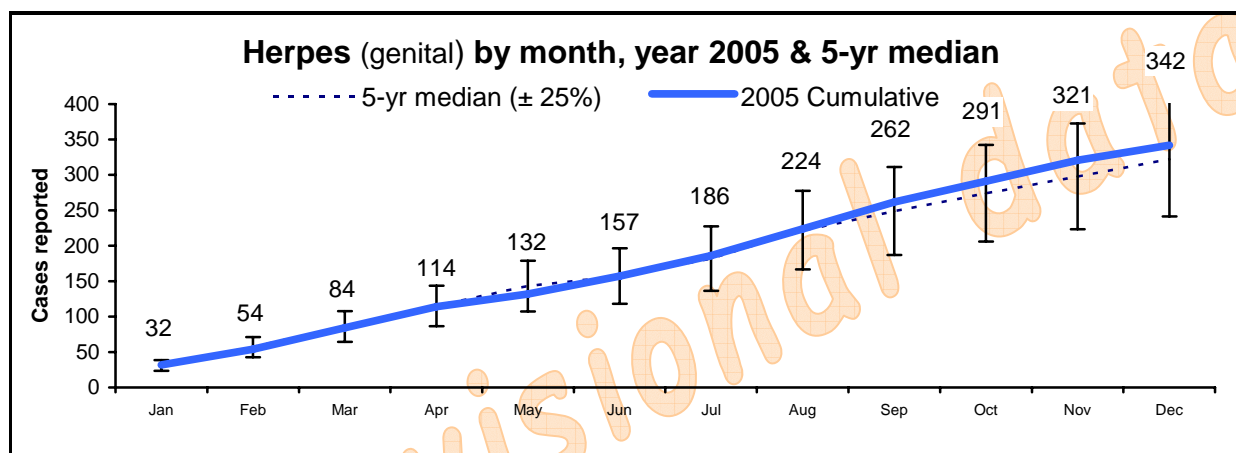
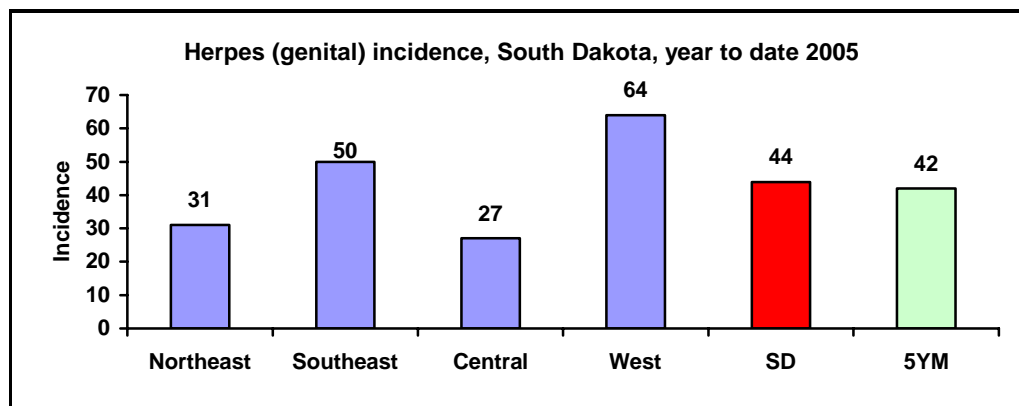
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

HERPES genital/neonatal		#													
REGION	Pop	cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NorthEast Region	176,361	54	30.6	4	3	5	6	3	3	5	6	5	8	2	4
SouthEast Region	248,114	125	50.4	12	11	7	12	6	10	13	15	19	6	10	4
Central Region	158,182	43	27.2	4	0	4	6	3	3	3	4	4	5	3	4
Western Region	188,226	120	63.8	12	7	14	5	6	9	8	13	10	12	15	9
West River	233,472	130	55.7	12	7	15	6	7	10	8	15	11	13	16	10
East River	537,411	212	39.4	20	14	15	23	11	15	21	23	27	18	14	11
South Dakota	770,883	342	44.4	32	21	30	29	18	25	29	38	38	31	30	21



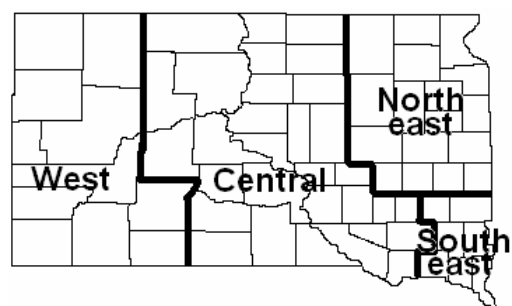
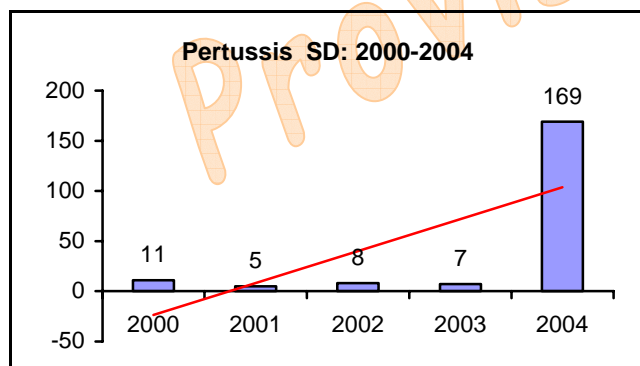
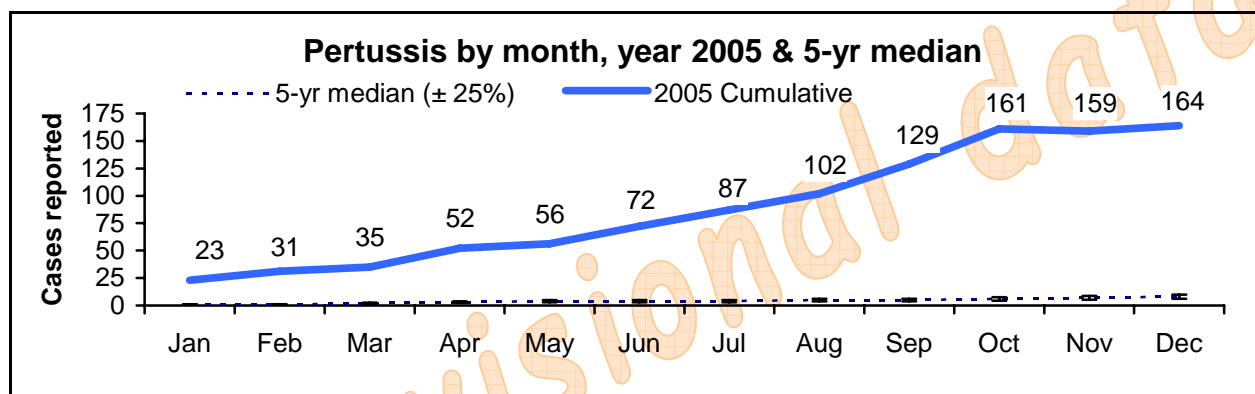
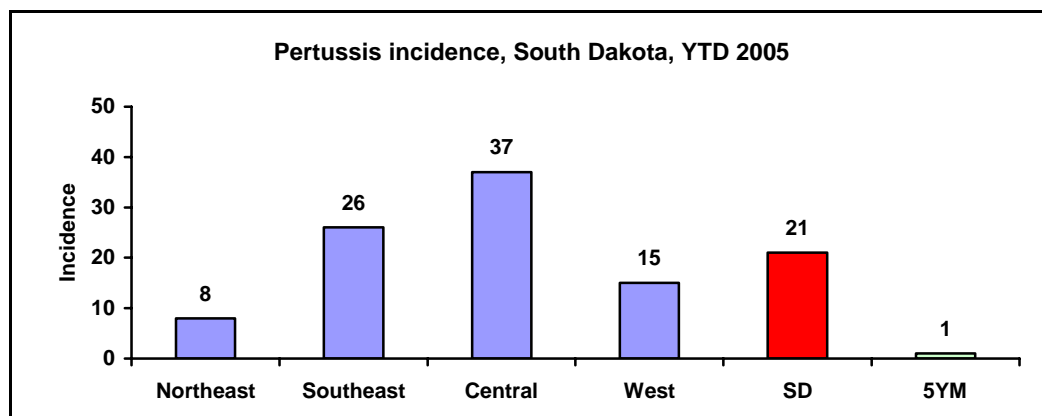
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

PERTUSSIS																
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
NorthEast Region	176,361	14	7.9	2	0	0	0	3	0	1	0	0	1	2	5	
SouthEast Region	248,114	64	25.8	4	0	1	4	4	13	12	2	16	6	2	0	
Central Region	158,182	58	36.7	12	3	8	1	3	1	1	1	10	16	1	1	
Western Region	188,226	28	14.9	9	7	3	0	1	4	1	1	1	0	1	0	
West River	233,472	52	22.3	13	7	3	0	3	5	1	1	8	10	1	0	
East River	537,411	112	20.8	14	3	9	5	8	13	14	3	19	13	5	6	
South Dakota	770,883	164	21.3	27	10	12	5	11	18	15	4	27	23	6	6	



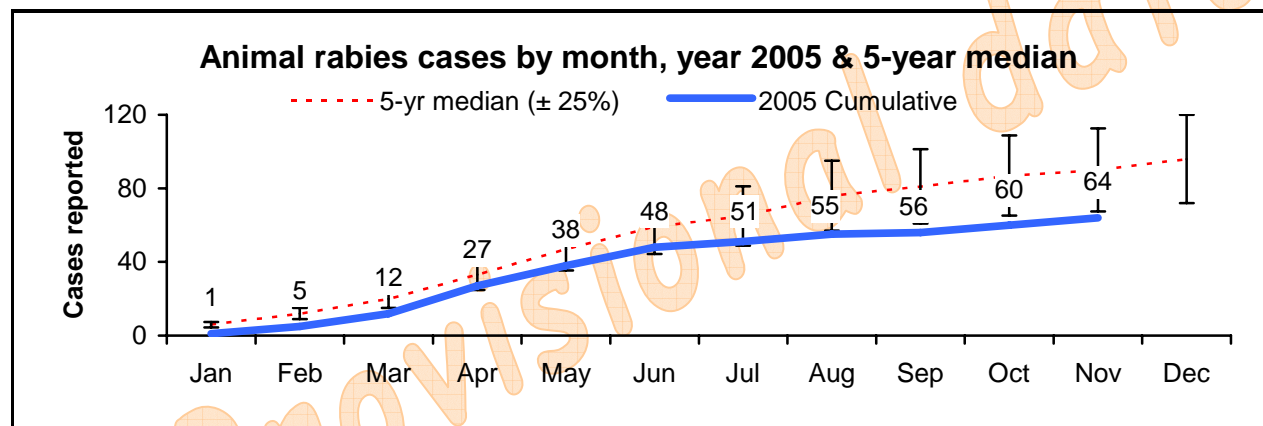
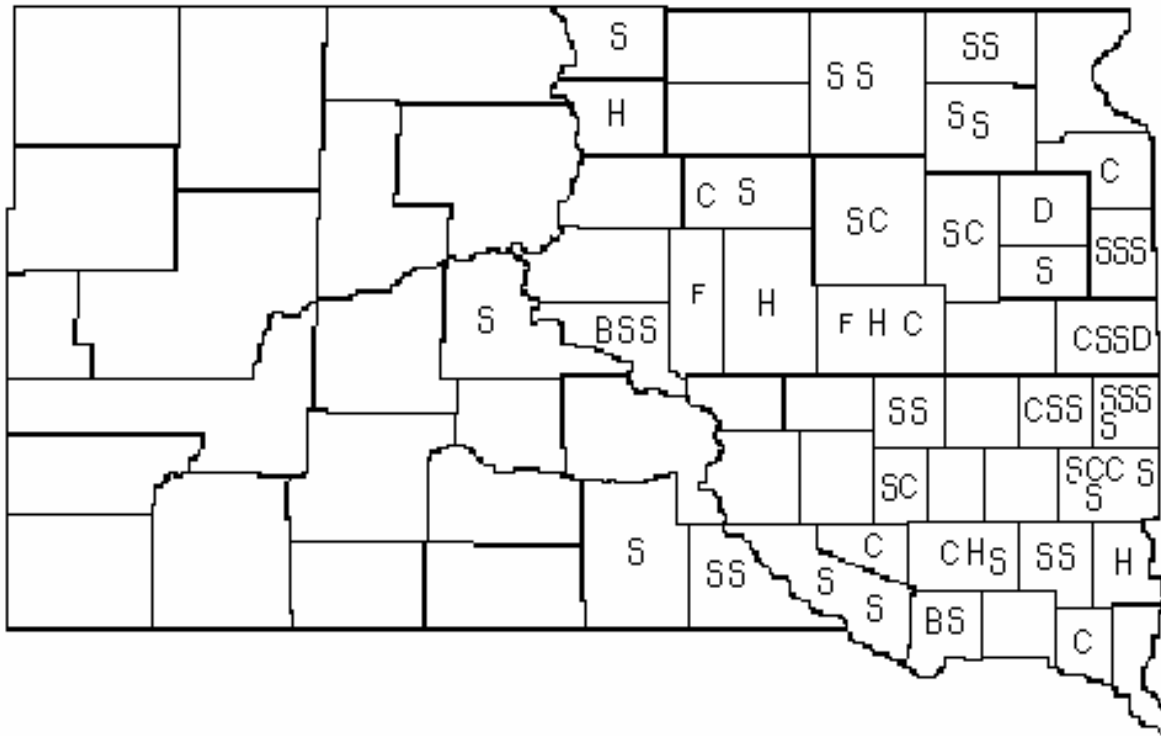
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

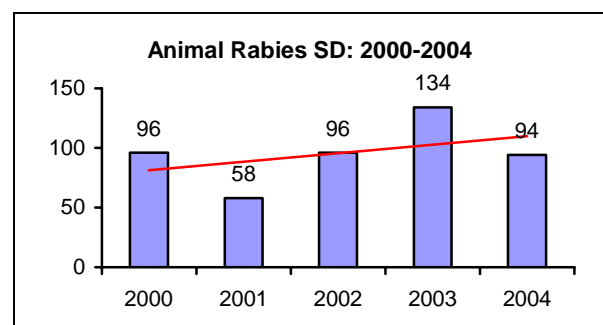
Population based on 2003 estimates

Animal Rabies in South Dakota, 1 January – 30 November 2005.



As of 30 November 2005

Animal	Number tested	Number Positive	% Positive
Bat (B)	95	2	2%
Cattle (C)	111	13	12%
Dog (D)	138	2	1%
Horse (H)	22	5	23%
Cat (F)	203	2	1%
Skunk (S)	60	40	67%
Raccoon (R)	27	0	-
Other*	36	0	-
Total	692	64	9%



*Other animals tested: badger, goat, coyote, deer, ferret, fox, gopher, meadow vole, mink, mouse, opossum, rabbit, sheep, squirrel, tiger, wolf and woodchuck.

Incidence = cases reported per 100,000 population.

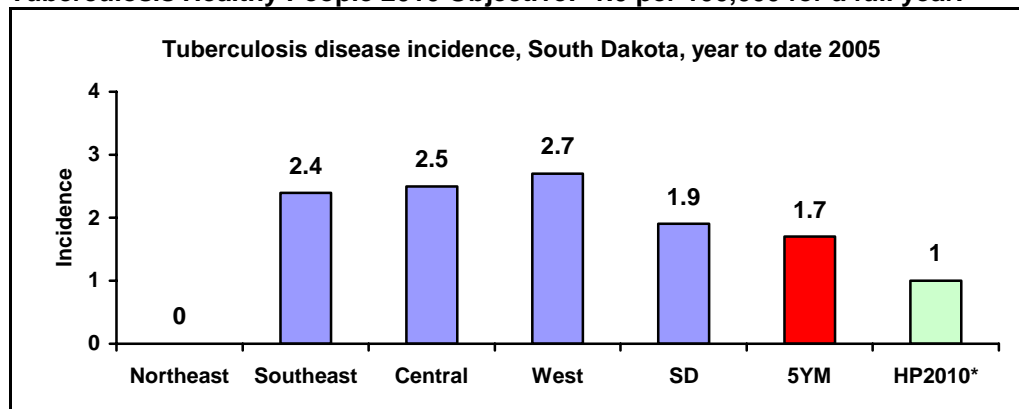
*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

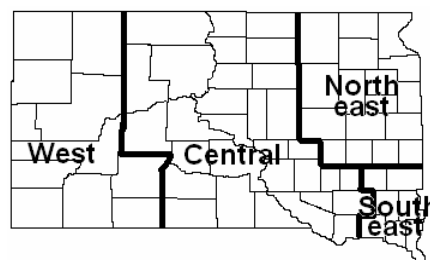
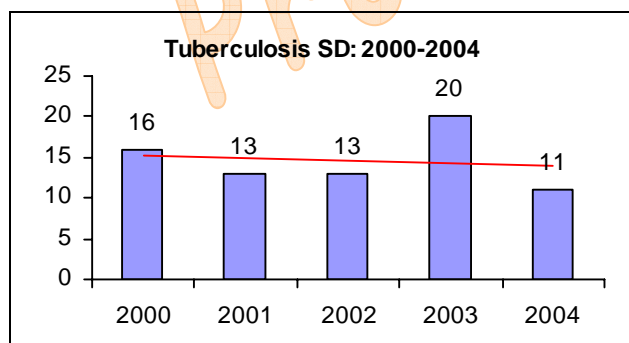
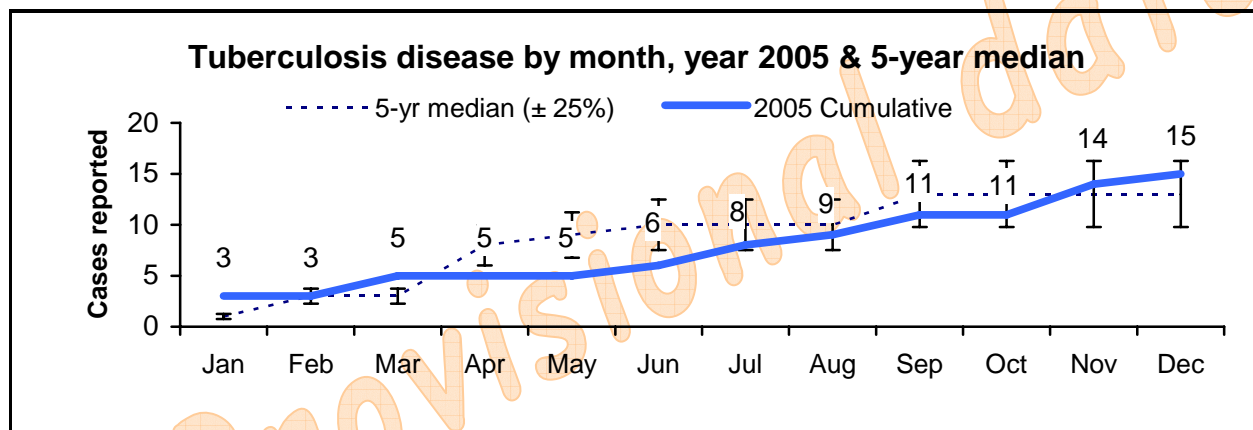
Population based on 2003 estimates

TUBERCULOSIS DISEASE				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
REGION	Pop	cases	Incidence												
NorthEast Region	176,361	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
SouthEast Regio	248,114	6	2.4	2	0	1	0	0	0	1	0	0	0	2	0
Central Region	158,182	4	2.5	1	0	0	0	0	1	1	0	1	0	0	0
Western Region	188,226	5	2.7	0	0	1	0	0	0	0	1	1	0	1	1
West River	233,472	8	3.4	1	0	1	0	0	0	1	1	2	0	1	1
East River	537,411	7	1.3	2	0	1	0	0	1	1	0	0	0	2	0
South Dakota	770,883	15	1.9	3	0	2	0	0	1	2	1	2	0	3	1

Tuberculosis Healthy People 2010 Objective: 1.0 per 100,000 for a full year.



*Healthy People 2010 Objective for full year.



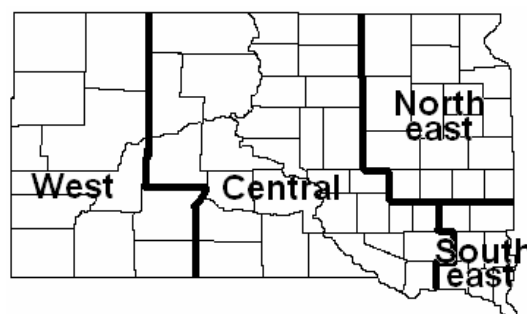
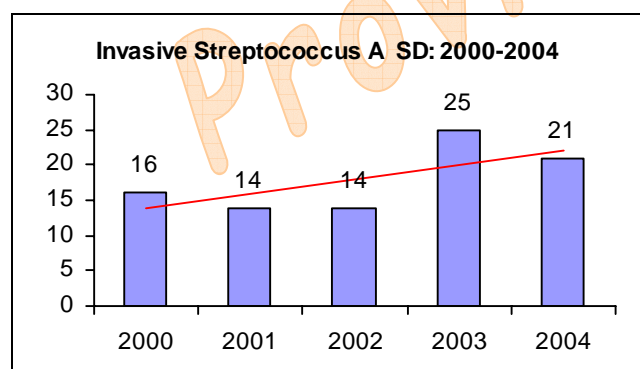
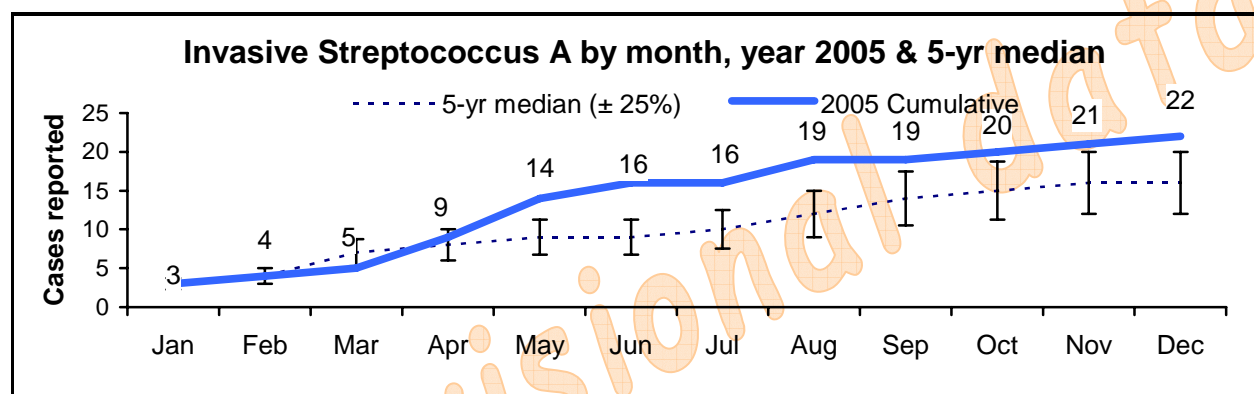
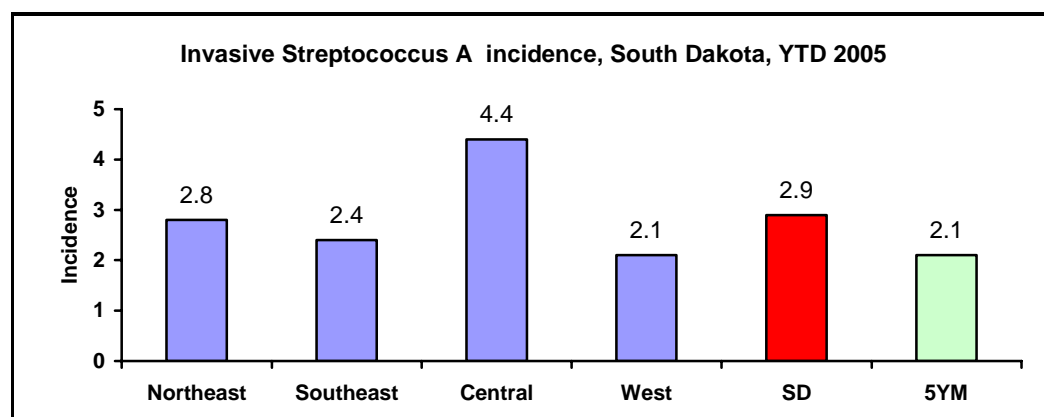
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

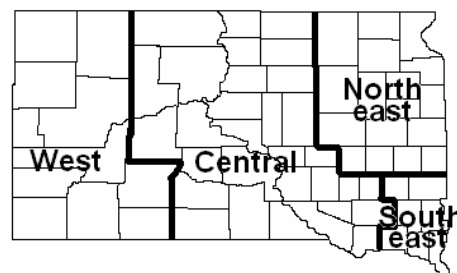
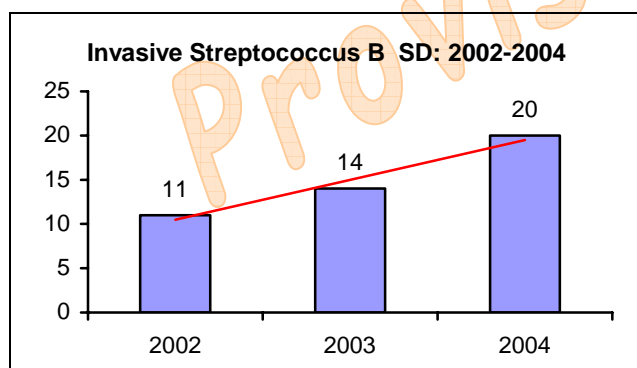
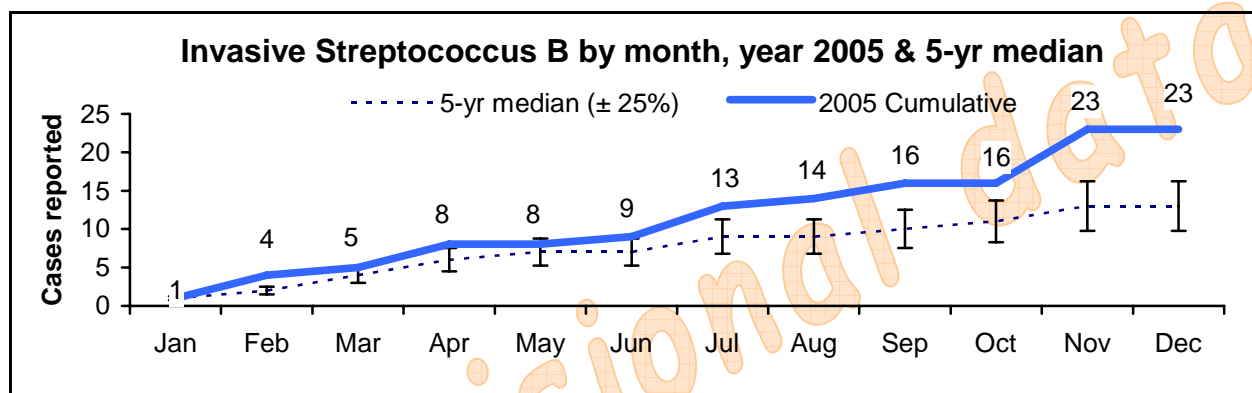
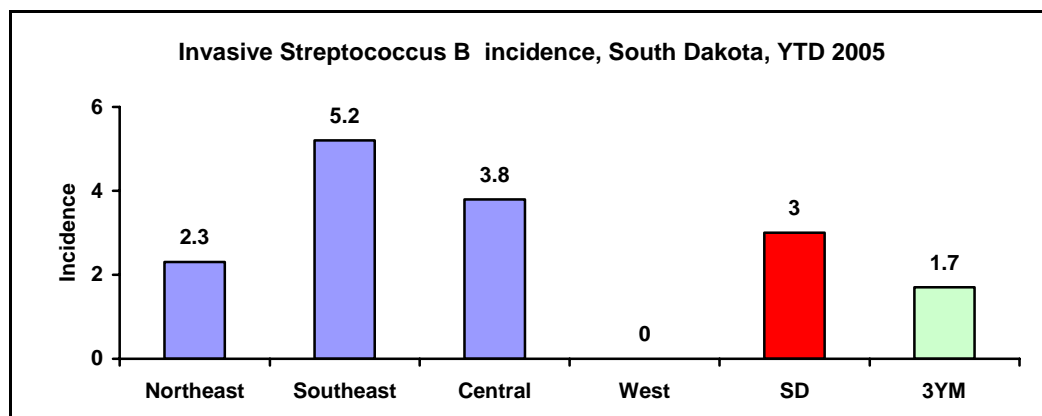
5YM= 5-year median

Population based on 2003 estimates

STREPTOCOCCUS GROUP A, Invasive				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
REGION	Pop	cases	Incidence												
NorthEast Region	176,361	5	2.8	0	1	0	0	1	1	0	0	0	1	1	0
SouthEast Region	248,114	6	2.4	1	0	0	1	4	0	0	0	0	0	0	0
Central Region	158,182	7	4.4	2	0	1	3	0	0	0	0	0	0	0	1
Western Region	188,226	4	2.1	0	0	0	0	0	1	0	3	0	0	0	0
West River	233,472	7	3.0	2	0	1	0	0	1	0	3	0	0	0	0
East River	537,411	15	2.8	1	1	0	4	5	1	0	0	0	1	1	1
South Dakota YTD	770,883	22	2.9	3	1	1	4	5	2	0	3	0	1	1	1



STREPTOCOCCUS GROUP B, Invasive				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
REGION	Pop	# cases	Incidence												
NorthEast Region	176,361	4	2.3	0	0	0	0	0	1	2	0	0	0	1	0
SouthEast Region	248,114	13	5.2	1	3	0	3	0	0	2	0	1	0	3	0
Central Region	158,182	6	3.8	0	0	1	0	0	0	0	1	1	0	3	0
Western Region	188,226	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
West River	233,472	4	1.7	0	0	1	0	0	0	0	1	0	0	2	0
East River	537,411	19	3.5	1	3	0	3	0	1	4	0	2	0	5	0
South Dakota YTD	770,883	23	3.0	1	3	1	3	0	1	4	1	2	0	7	0



Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

Other low incidence or newly Reportable Diseases in South Dakota, YTD2005

- Botulism, wound, 1 case
- Shiga-toxin producing *E. coli*, non-0157:H7, 3 cases
- Hemolytic uremic syndrome, 3 cases
- Syphilis, primary or secondary, 2 case
- Legionnaires' disease, 19 cases (17 in West, 1 in Central and 1 in Southeast Region)
- Hantavirus pulmonary syndrome, 2 cases
- Lyme disease, 2 case
- Hepatitis A, acute 1 case
- Hepatitis B, acute 4 cases; chronic 4 cases
- Meningococcal disease, 4 cases (3 serogroup Y, 1 serogroup C), 2 in Southeast, 1 in Central and 1 in West Region.
- Q Fever, 1 case
- Rocky Mountain spotted fever, 5 cases (4 in West and 1 in Northeast Region)
- *Streptococcus pneumoniae*, drug resistant, 3 cases
- Toxic Shock Syndrome, *Staphylococcus aureus*, 1 case
- Toxic Shock Syndrome, *Streptococcus pyogenes*, 1 case
- Tularemia, 8 cases (6 cases in Central and 2 cases in West Region)
- Yersiniosis, 1 case (*Y. enterocolitica* NOT *Y. pestis*)

MRSA (invasive)															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NorthEast Region	176,361	10	5.7	1	1	2	1	1	0	0	1	0	1	1	1
SouthEast Regio	248,114	24	9.7	3	0	5	2	1	3	0	6	0	4	0	0
Central Region	158,182	9	5.7	0	1	3	0	0	2	0	1	0	0	2	0
Western Region	188,226	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0
West River	233,472	2	0.9	0	0	1	0	0	0	0	1	0	0	0	0
East River	537,411	41	7.6	4	2	9	3	2	5	0	7	0	5	3	1
South Dakota	770,883	43	5.6	4	2	10	3	2	5	0	8	0	5	3	1

*Methicillin-resistant *Staphylococcus aureus* isolated from a normally sterile site such as blood or cerebral spinal fluid and joint, pleural, or pericardial fluid.

CHICKEN POX (varicella)															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NorthEast Region	176,361	25	14.2	4	3	0	5	0	0	0	1	0	7	5	0
SouthEast Regio	248,114	58	23.4	0	2	3	16	1	0	9	1	4	8	14	0
Central Region	158,182	29	18.3	0	4	4	3	4	3	0	1	0	1	9	0
Western Region	188,226	16	8.5	2	4	3	3	0	0	2	0	0	1	1	0
West River	233,472	30	12.8	2	6	3	3	1	1	2	0	0	2	10	0
East River	537,411	98	18.2	4	7	7	24	4	2	9	3	4	15	19	0
South Dakota	770,883	128	16.6	6	13	10	27	5	3	11	3	4	17	29	0